

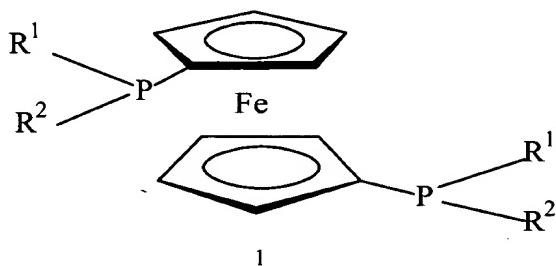
**Amendment to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

**CLAIMS**

1. (Currently Amended) A supported catalyst suitable for the hydrogenation of aldehyde, and alkene or an alkyne, comprising a cationic rhodium(I) complex of a diposphine ligand of the formula



wherein R<sup>1</sup> and R<sup>2</sup> are the same or different hydrocarbon groups of up to 30 carbon atoms or R<sup>1</sup> and R<sup>2</sup> are linked to form a ring, and a heterogeneous support medium ~~that provides anionic binding sites~~ comprising a cation exchange resin containing sulphonic acid groups – SO<sub>3</sub><sup>-</sup>X<sup>+</sup>, wherein X<sup>+</sup> is a proton or any other exchangeable cation.

2. (Canceled) A catalyst according to claim 1, wherein the support medium comprises a heteropolyacid anchoring agent.
3. (Canceled) A catalyst according to 2, wherein the heteropolyacid is of the Keggin type.
4. (Canceled) A catalyst according to claim 3, wherein the heteropolyacid is phosphotungstic acid, phosphomolybdic acid or silicotungstic acid.
5. (Canceled) A catalyst according to claim 4, wherein the heteropolyacid is phosphotungstic acid.

6. (Currently Amended) A catalyst according to any preceding claim, wherein the support medium comprises an oxide selected from the group consisting of alumina, silica, titania, lanthana, zeolites and clays.
7. (Currently Amended) A catalyst according to claim 6, wherein the metal oxide is alumina.
8. (Canceled) A catalyst according to any preceding claim, wherein the support medium is a cation exchange resin containing sulphonie acid groups  $\text{SO}_3\text{X}^+$ , wherein  $\text{X}^+$  is a proton or any other exchangeable cation.
9. (Currently Amended) A catalyst according to claim 81, wherein the cation exchange resin is a tetrafluoroethylene-perfluoro(vinyl ether sulfonate) copolymer.
10. (Original) A catalyst according to any preceding claim, wherein  $\text{R}^1$  and  $\text{R}^2$  are each an alkyl group.
11. (Original) A catalyst according to claim 10, wherein  $\text{R}^1 = \text{R}^2 = i\text{-Pr}$ .
12. (Currently Amended) Use of a catalyst according to any preceding claim, in a process of hydrogenating an aldehyde substrate to produce the corresponding primary alcohol, wherein the process is carried out in a mixture of water and an alcohol.
13. (Currently Amended) Use according to claim 12, wherein substrate conversion of at least 90% is effected, and wherein the aldehyde also contains at least one sulfide group that is retained in the product.
14. (Canceled) Use according to claim 12 or claim 13, wherein the process is carried out in a mixture of water and an alcohol.